

Converting Colors

`RYB(0, 199, 242)`

Have a look what the booklet for
RYB(0, 199, 242) contains.

RYB(0, 199, 242)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

RYB(0, 199, 242)

Conversions

Conversions Part 1

Format	Color
Hex	00F234
RGB	0, 242, 52
RGB Percent	0%, 95%, 20%
CMY	1.0000, 0.0510, 0.7949
CMYK	1.00, 0.00, 0.78, 0.05
HSL	133°, 100%, 47%
HSV	133°, 100%, 95%
XYZ	32.3786, 63.7548, 13.8827
YIQ	147.9820, -83.2420, -110.3940

Conversions

Conversions Part 2

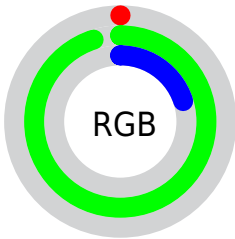
Format	Color
RYB	0, 199, 242
Decimal	62004
CIELab	83.84, -81.13, 71.47
CIELCh	84, 108.125, 138.623
Yxy	63.7548, 0.2943, 0.5795
Android (android.graphics.Color)	4278252084 (0xFF00F234)
YUV	147.9820, -47.3191, -129.7802
Hunter-Lab	79.8466, -67.3482, 45.5840

Details

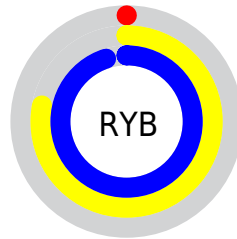
The RYB color **0, 199, 242** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark saturated green. A complement of this color would be **242, 0, 190**, and the grayscale version is **149, 149, 149**.

A 20% lighter version of the original color is **113, 255, 253**, and **0, 184, 184** is the 20% darker color. If you saturate the color by 10%, you get **0, 199, 242**, and if you desaturate by 10%, it is **24, 203, 242**.

Distribution



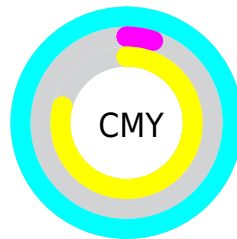
- Red (0%)
- Green (95%)
- Blue (20%)



- Red (0%)
- Yellow (78%)
- Blue (95%)



- Cyan (100%)
- Magenta (0%)
- Yellow (78%)
- Black (5%)




- Cyan (100%)
- Magenta (5%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the RYB color 0, 199, 242 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the RYB color 0, 199, 242 by changing the saturation by 10% instead.

 0, 199, 242	 0, 199, 242
 255, 255, 255	 0, 210, 213
 113, 255, 253	 0, 184, 184
 142, 255, 247	 0, 156, 156
 171, 255, 243	 0, 128, 128
 200, 255, 240	 0, 101, 101
 229, 255, 236	 0, 75, 75
	 0, 50, 50
	 0, 22, 22
	 0, 0, 0

 0, 199, 242

 24, 203, 242

 48, 207, 242

 73, 212, 242

 97, 216, 242

 121, 221, 242

 145, 225, 242

 169, 229, 242

 194, 234, 242

 218, 238, 242

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



0, 223, 31



0, 199, 242



0, 151, 251

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



0, 199, 242



0, 122, 255



255, 87, 151

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



0, 199, 242



242, 0, 190

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 89, 252



0, 199, 242



85, 153, 255

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



0, 199, 242



0, 126, 255



255, 147, 255



255, 217, 50

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



0, 199, 242



0, 131, 253



255, 147, 255



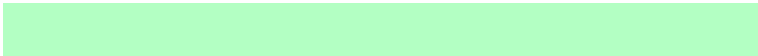
255, 77, 184

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



0, 199, 242



179, 242, 255



0, 242, 48



82, 120, 128



0, 0, 0



128, 128, 128

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



0, 199, 242



0, 210, 255



0, 142, 242



108, 118, 120



0, 151, 184



0, 46, 56

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



242, 0, 190



255, 0, 200



242, 0, 73



120, 108, 117



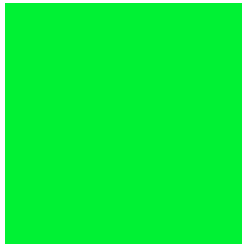
184, 0, 144



56, 0, 44

Previews

White Background



This preview shows how the RYB color 0, 199, 242 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RYB color 0, 199, 242 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

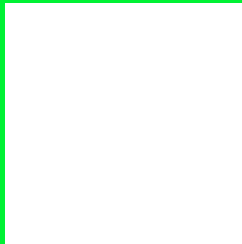
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYB 0, 199, 242 Background



This preview shows how black text looks on a background with the RYB color 0, 199, 242.



This preview shows how white text looks on a background with the RYB color 0, 199, 242.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

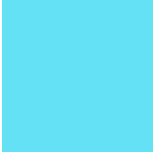
Dichromacy



Original Color
0, 199, 242

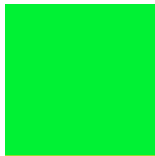
Protanopia
73, 233, 43

Deuteranopia
182, 255, 92



Tritanopia
100, 167, 244

Trichromacy



Original Color

0, 199, 242



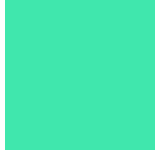
Protanomaly

46, 220, 118



Deuteranomaly

78, 213, 129



Tritanomaly

64, 165, 231

Monochromacy



Original Color

0, 199, 242



Achromatopsia

148, 148, 148



Achromatomaly

94, 166, 182

CSS Examples

Text

The CSS property to change the color of the text to RYB 0, 199, 242 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(0, 242, 52)` looks like.

```
.text, #text, p{  
    color:rgb(0, 242, 52)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(0, 242, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 242, 52) }
```

Border

The CSS property to change the border of an element to RYB 0, 199, 242 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(0, 242, 52) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(0, 242, 52) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(0, 242, 52) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 242, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 242, 52);  
box-shadow:4px 4px 4px 4px rgb(0, 242, 52)  
}
```

Background

The CSS property to change the background color of an element to RYB 0, 199, 242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 242, 52) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(0, 242,  
52) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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